

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HINTED STEM PLACEMENT ON HIGH-RESOLUTION PIXEL GRID

the specification of which:

☐ is attached hereto.

☒ was filed on December 15, 2000.

☐ under Application No. \_\_\_\_\_.

☒ with Express Mail No. EL 572 620 515 US (Application Number not yet known).

☐ was described and claimed in PCT International Application No. \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, code of Federal Regulations, Section 1.56(a).

I hereby appoint all registered practitioners associated with **Customer Number 021876** to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to:

**Customer Number 021876**

Direct all telephone calls to Hans R. Troesch, Reg. No. 36,950, at telephone number (650) 322-5070.

☒ For Assigned Inventions: I understand that the purpose of making this appointment is to permit prosecution of patent applications for the above-identified invention for the benefit of my assignee, and that this appointment does not create an attorney-client relationship between me and these appointees.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

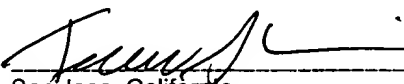
Full name of inventor: Terence S. Dowling

Inventor's signature

Residence:

Citizen of:

Post Office Address:



San Jose, California  
USA

5965 Foligno Way, San Jose, CA 95138-2226

Date:

2/9/2001

Full name of inventor:

R. David Arnold

Inventor's signature

Residence:

Citizen of:

Post Office Address:

Mountain View, California  
USA

1228 Isabelle Avenue, Mountain View, CA 94040

Date:

COMBINED DECLARATION AND POWER OF ATTORNEY  
Attorney Docket No. 07844-476001  
Client No. P440

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Full name of inventor: Terence S. Dowling

Inventor's signature \_\_\_\_\_  
Residence: San Jose, California  
Citizen of: USA  
Post Office Address: 5965 Foligno Way, San Jose, CA 95138-2226

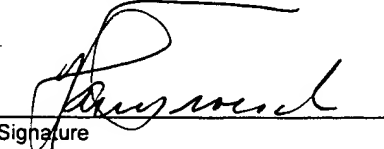
Date: \_\_\_\_\_

Full name of inventor: R. David Arnold

Inventor's signature  \_\_\_\_\_  
Residence: Mountain View, California  
Citizen of: USA  
Post Office Address: 1228 Isabelle Avenue, Mountain View, CA 94040

Date: 1/5/01

## RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Terence S. Dowling and R. David Arnold Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): ADOBE SYSTEMS INCORPORATED 345 Park Avenue San Jose, CA 95110  Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution Date: 1/19/01; 1/5/01	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 09/739,587 B: Patent No(s):  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed:  ROGER S. BOROVOY Fish & Richardson P.C. 2200 Sand Hill Road, Suite 100 Menlo Park, CA 94025	6. Total number of applications/patents involved: 1  7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account.  8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>  Hans R. Troesch Reg. No. 36,950 Name of Person Signing   Signature  16 Feb 01 Date	
Total number of pages including coversheet, attachments and document: 4	

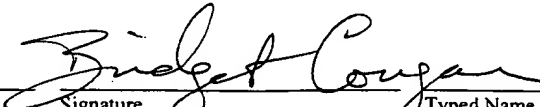
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### CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

February 16, 2001  
Date of Deposit

Signature

  
Bridget Cougar  
Typed Name of Person Signing Certificate

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS, Terence S. Dowling and R. David Arnold, hereby sell, assign, and transfer to Adobe Systems Incorporated, a Delaware Corporation, having offices located at 345 Park Avenue, San Jose, California 95110-2704, and its successors, assigns and legal representatives (collectively, "ASSIGNEE") all of the right, title and interest of ASSIGNORS throughout the world in and to any and all inventions and improvements which are the subject of a patent document entitled

HINTED STEM PLACEMENT ON HIGH-RESOLUTION PIXEL GRID

and which is found in

- (a)        U.S. patent application executed on                     , entitled as above, listing the above named person as inventor.
- (b)   X   U.S. patent application filed on December 15, 2000  
[ ] under Application No.                       
[ X ] with Express Mail No. EL 572 620 515 US (Application Number not yet known).
- (c)        U.S. Patent No.:                     , issued                     .

An attorney of record, or the attorney filing the application, is authorized and requested by the execution of this assignment to insert into this assignment the execution date of the application and/or the filing date and serial number of the application when officially known.

This assignment includes the foregoing patent application or patent; all legal equivalents thereof in any foreign country and all patents issuing therefrom; all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. ASSIGNORS authorize ASSIGNEE to apply in all countries in the names of ASSIGNORS or in the name of ASSIGNEE for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment.

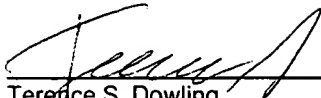
ASSIGNORS further covenant for themselves and their respective heirs, legal representatives and assigns to provide to ASSIGNEE promptly upon the request of ASSIGNEE all pertinent facts and documents relating to said invention and said patents and legal equivalents as may be known and accessible to ASSIGNORS and to testify as to the same in any interference, litigation, or proceeding relating thereto and promptly to execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said inventions and improvements and said patents and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNORS requests the Commissioner of Patents and Trademarks to issue said patents of the United States and any reissue or extension thereof to the ASSIGNEE.

Executed this

Signature of Inventor

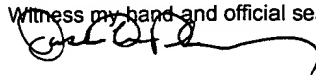
19 day of January 2001  
~~2000~~

  
Terence S. Dowling

STATE OF California )  
County of Santa Clara ) ss.

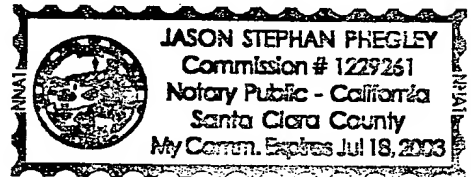
On Jan. 19, 2001, before me, Jason Stephan Pregel, a Notary Public for the State of California, personally appeared Terence S. Dowling, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal



Executed this

Signature of Inventor



\_\_\_\_ day of \_\_\_\_\_, 2000

R. David Arnold

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public for the State of \_\_\_\_\_, personally appeared R. David Arnold, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal

Executed this

Signature of Inventor

\_\_\_\_ day of \_\_\_\_\_, 2000

Terence S. Dowling

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public for the State of \_\_\_\_\_, personally appeared Terence S. Dowling, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal

Executed this

Signature of Inventor

5 day of JAN., 2000 <sup>1 RDA</sup>

R. David Arnold  
R. David Arnold

STATE OF California )  
County of Santa Clara ) ss.

On 1/5/01, before me, Angelica Delfin, a Notary Public for the State of California personally appeared R. David Arnold, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal

Angelica M. Delfin  
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